

**IN THE TITLE FO THE INVENTION:**

**Please delete the present Title of the Invention in its entirety, and substitute the following new Title of the Invention therefor:**

*a1* -- FLUTTERING WING-OPERATED FLYING MOVING APPARATUS --

**IN THE CLAIMS:**

**Please amend the Claims so as to read as follows:**

- A2*
1. (Amended) A moving apparatus, comprising:
    - a flying body, including
      - a wing portion for fluttering in a space in which a fluid exists,
      - a driving portion for performing a down stroke in which said wing portion is moved downward from above and an up stroke in which said wing portion is moved upward from below, and
      - a main body to which said wing portion is attached and said driving portion is mounted; wherein
    - by time average for the series of said down stroke and said up stroke, vertically upward force received by said wing portion from said fluid is larger than gravity acting on said flying body , and wherein
    - said wing portion consists of two wings and said moving apparatus can hover using said two wings.

2. (As originally filed) The moving apparatus according to claim 1, wherein volume of said space in which said wing moves in said down stroke is larger than the volume of said space in which said wing moves in said up stroke.
3. (As originally filed) The moving apparatus according to claim 1, wherein said flying body is used as moving means for performing a prescribed operation indoors.
4. (As originally filed) The moving apparatus according to claim 1, wherein said flying body is used as moving means for performing a prescribed operation outdoors.
5. (Amended) The moving apparatus according to claim 1, wherein each wing of said wing portion has a wing body portion, and a wing shaft portion supporting said wing body portion; and wherein said driving portion changes a torsion angle formed by a tip end of each wing of said wing body portion and a prescribed reference plane, by driving ~~said~~ its associated wing shaft portion.
6. (As originally filed) The moving apparatus according to claim 5, wherein said driving portion makes said torsion angle in said down stroke different from said torsion angle in said up stroke.

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7. (As originally filed) The moving apparatus according to claim 5, wherein said driving portion changes with time said torsion angle.

8. (Amended) A moving apparatus according to claim 5, wherein, comprising:  
a flying body, including  
a wing portion for fluttering in a space in which a fluid exists,  
a driving portion for performing a down stroke in which said wing  
portion is moved downward from above and an up stroke in  
which said wing portion is moved upward from below, and  
a main body to which said wing portion is attached and said  
driving portion is mounted; wherein  
by time average for the series of said down stroke and said up  
stroke, vertically upward force received by said wing portion from  
said fluid is larger than gravity acting on said flying body, and  
wherein  
said wing portion has  
a wing body portion, and  
a wing shaft portion supporting said wing body portion;  
wherein  
said driving portion changes a torsion angle formed by a tip end of  
said wing body portion and a prescribed reference plane, by  
driving said wing shaft portion; and  
wherein  
said wing shaft portion includes one wing shaft portion and the  
other wing shaft portion; and  
said wing body portion includes a film portion formed spreading  
across said one wing shaft portion and said the other wing shaft  
portion separately.


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9. (Withdrawn from consideration)

10. (Withdrawn from consideration)

11. (Withdrawn from consideration)

12. (Withdrawn from consideration)



13. (As originally filed) The moving apparatus according to claim 1, comprising a sensor portion for grasping environmental condition.

14. (As originally filed) The moving apparatus according to claim 1, comprising a memory portion for storing information.

15. (As originally filed) The moving apparatus according to claim 1, comprising a communication portion for transmitting and receiving information.

16. (Rejoined and Amended)) The moving apparatus according to claim 8,  
wherein  
said one wing shaft portion and the other wing shaft portion are  
formed such that a space therebetween is enlarged toward tip  
ends of said one wing shaft portion and said the other wing shaft  
portion.

17. (Rejoined) The moving apparatus according to claim 8, wherein  
said one wing shaft portion and said the other wing shaft portion  
are pivotable about the respective axes of said one wing shaft  
portion and said the other wing shaft portion.

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18. (As originally filed) The moving apparatus according to claim 1, wherein  
a target manner of movement is realized by time-sequentially combining  
basic operations in accordance with basic operations pattern data.

19. (As originally filed) The moving apparatus according to claim 18, comprising  
storing means for storing combination of said basic operations pattern  
data and driving manner data related to the manner of driving said  
driving portion realizing said basic operations pattern data.

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